

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

- 1–57. (Canceled)
58. (Currently Amended) An isolated peptide which sensitizes cells for apoptosis comprising:
 - (a) the amino acid sequence of SEQ ID NO: 127[[; or]]
 - ~~(b) an amino acid sequence at least 90% identical to SEQ ID NO: 127 and which is capable of binding to livin-β.~~
59. (Previously Presented) A composition comprising the peptide of claim 58 linked to a carrier which mediates the uptake of the peptide into a cell.
60. (Previously Presented) A method of sensitizing a livin-β-expressing cell for apoptosis, comprising administering to a livin-β-expressing cell the peptide of claim 58, optionally in combination with an intercalating agent, wherein said peptide binds to livin-β in said cell, and wherein said binding of peptide to livin-β sensitizes said cell for apoptosis.
61. (Previously Presented) The method of claim 60, wherein said cell is a cancer cell.
62. (Previously Presented) The method of claim 61, wherein said cancer cell is a melanoma cell.
63. (Canceled)
64. (Previously Presented) A diagnostic kit for the detection of livin-β in cancer cells, comprising the peptide of claim 58 and a buffer.